



**SPEAKER PLAN**

**NOTES:**

1. FOR GENERAL NOTES, LEGEND, REVISION, SEE DRAWING F-1-2-1.
2. THE CONTRACTOR SHALL DISCONNECT AND REMOVE OLD (EXISTING) SPEAKERS NOT SHOWN TO REMAIN ONLY AFTER INSULATED DEVICES ARE OPERATIONAL AS DIRECTED AND IN THE PRESENCE OF THE ENGINEER. IN ADDITION THE CONTRACTOR SHALL REMOVE THE EXISTING AMPLIFIERS AND THE ASSOCIATED WIRING FROM THE W/ CLOSET. THE AMPLIFIERS SHALL BE TURNED OVER TO THE PORT AUTHORITY. THE EXISTING AMPLIFIER TO BE REMOVED SHALL BE DONE ONLY AFTER THE NEW SPEAKERS ARE TESTED. REFER TO DETAIL NO. F-1-2-2 FOR DETAILS.
3. RETURN ALL REMOVED EXISTING DEVICES TO THE PORT AUTHORITY.
4. ALIGN CENTER LINES OF SPEAKERS ON WHICH WORK TO BE DONE IN THE CORRIDOR TO THE CENTER LINE OF THE CORRIDOR. IN CASE OF CONFLICT WITH EXISTING CEILING LIGHTING, SPRINKLERS AND GRILLS, ADJUST FINAL LOCATION OF SPEAKERS ON WHICH WORK TO BE DONE IN THE FIELD UNDER THE DIRECTION OF ENGINEER.
5. CONTRACTOR SHALL REMOVE EXISTING SPEAKERS INDICATED TO REMAIN AS SHOWN.
6. CONTRACTOR SHALL REMOVE ALL EXISTING SPEAKER EQUIPMENT NOT REQUIRED FOR NEW SPEAKER SYSTEM.

SPEAKER CIRCUIT/LOADING TABLE									
SPEAKER TAP/NO. SETTING	(WATTS)	1/8	1/4	1/2	1	2	TOTAL POWER (WATTS)	CIRCUIT LENGTH (FT)	
SPKR-A	70	81	84	87	90	-	5,000	440	
SPKR-B	-	4	2	3	-	-	6,000	495	
SPKR-C	-	7	1	2	-	-	4,250	411	
SPKR-D	4	4	1	1	-	-	3,000	471	
GRAND TOTAL							18,250	1837	

Sheet

Of

**THE PORT AUTHORITY  
OF NY & NJ**



**Joseph R. Loring  
& Associates, Inc.**

consulting engineers

One Pennsylvania Plaza  
New York, New York 10119-0045  
Tel: (212) 563-7400  
Fax: (212) 563-7382

**SCR Design Organization, Inc.**  
architects

305 EAST 46 STREET  
NEW YORK, N.Y. 10017  
TEL: (212) 421-3500

1	5/24/98	AS BID	DC
No.	Date	Revision	Approved

Engineering Department  
Design Division

**The World Trade  
Center**

Title  
**TOWER 2  
FLOOR 44  
FIRE ALARM  
SPEAKER  
INSTALLATION AND  
REMOVAL PLAN**

This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

F.D.	F.D.	4565.000
Designed by	Drawn by	JRLA JOB No.
4/27/98	P.E.N.	3/32" = 1'-0"
Date	Checked by	Scale
Contract Number	Drawing Number	
WTC-857.090	<b>F-2-44-1</b>	

